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11 July 06 claim amendments.

MC  
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In the Claims:

1. (previously presented) A photonic network node comprising:  
    photonic switch fabric for forwarding an optical signal comprising a plurality of channels;  
    means for monitoring the optical signal before and after the photonic switch fabric;  
    means for reducing a variance between inputs to the photonic network node by applying a  
dynamically adjusted bulk compensation to all channels of the optical signal;  
    means for demultiplexing the optical signal into the plurality of channels;  
    means for dynamically, adjustably compensating for individual channel amplitude  
impairment responsive to the monitoring means, based at least in part on output carrier power;  
and  
    means for multiplexing a plurality of channels into an output optical signal.
2. (original) A node as claimed in claim 1 wherein the photonic switch fabric includes a plurality  
of optical switch planes.
3. (previously presented) A node as claimed in claim 1 further including means for dynamically,  
adjustably compensating for individual channel chromatic dispersion impairment.
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)